

ABSTRACT

A seal usable in a turbine engine for sealing a high pressure gas region from a low pressure gas region. The seal seals gaps between a rotatable body and a stationary body by creating forces opposing flow from the high pressure region to the 5 low pressure region. During turbine engine operation, the seal creates aerodynamic forces that substantially prevents leakage of gases from a high pressure region to a low pressure region. The seal may be formed from a plurality of blades aligned in one or more rows and extending from a rotatable body towards a stationary body of the turbine engine to be in close proximity to the stationary body. The seal may also 10 include a plurality of blades aligned in one or more rows and extending from the stationary body towards the rotatable body to be within close proximity of a surface of the rotatable body.